

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		ATTORNEY'S DOCKET NUMBER 62046(51588)
INTERNATIONAL APPLICATION NO. PCT/US2003/034028	INTERNATIONAL FILING DATE 23 October 2003	PRIORITY DATE CLAIMED 23 October 2002
TITLE OF INVENTION METHODS FOR PRODUCING SPECIFIC DESIGNER ZINC FINGER PROTEINS CAPABLE OF RECOGNIZING EXTENDED DNA TARGET SEQUENCES		
APPLICANT(S) FOR DO/EO/US J. Keith Joung		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<p>1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371.</p> <p>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371 (f)). The submission must include items (5), (6), (9) and (21) indicated below.</p> <p>4. <input type="checkbox"/> The US has been elected (Article 31).</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2)) <ul style="list-style-type: none"> a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). </p> <p>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371 (c)(2)). <ul style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). </p> <p>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3)) <ul style="list-style-type: none"> a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made. </p> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).</p> <p>9. <input checked="" type="checkbox"/> An unexecuted oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).</p> <p>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).</p>		
Items 11 to 20 below concern document(s) or information included:		
<p>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input checked="" type="checkbox"/> A preliminary amendment.</p> <p>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.</p> <p>18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</p> <p>20. <input checked="" type="checkbox"/> Other items or information: Return Receipt Postcard</p>		

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. (if known, see 37 CFR 1.1)		INTERNATIONAL APPLICATION NO.		ATTORNEY'S DOCKET NUMBER																																																																																																																																																																																																																	
10/532031		PCT/US2003/034028		62046(51588)																																																																																																																																																																																																																	
The following fees have been submitted																																																																																																																																																																																																																					
<table border="1"> <tr> <td colspan="2">21. <input checked="" type="checkbox"/> Basic national fee</td> <td>\$300</td> <td>CALCULATIONS</td> <td colspan="2">PTO USE ONLY</td> </tr> <tr> <td colspan="2">22. <input checked="" type="checkbox"/> Examination fee If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4).....</td> <td>\$100</td> <td></td> <td colspan="2"></td> </tr> <tr> <td colspan="2">All other situations</td> <td>\$200</td> <td></td> <td colspan="2"></td> </tr> <tr> <td colspan="6"> <table border="1"> <tr> <td colspan="2">23. <input checked="" type="checkbox"/> Search fee Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority</td> <td>\$100</td> <td></td> <td colspan="2"></td> </tr> <tr> <td colspan="2">International Search Report prepared and provided to the Office.....</td> <td>\$400</td> <td></td> <td colspan="2"></td> </tr> <tr> <td colspan="2">All other situations</td> <td>\$500</td> <td></td> <td colspan="2"></td> </tr> <tr> <td colspan="2">TOTAL OF 21, 22 and 23 =</td> <td>\$ 1,000.00</td> <td></td> <td colspan="2"></td> </tr> <tr> <td colspan="6"> <input checked="" type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. </td> </tr> <tr> <td>Total Sheets</td> <td>Extra sheets</td> <td>Number of each additional 50 or fraction thereof (round up to a whole number)</td> <td>RATE</td> <td colspan="2"></td> </tr> <tr> <td>140 - 100 =</td> <td>40 /50 =</td> <td>1</td> <td>x \$250.00</td> <td colspan="2">250.00</td> </tr> <tr> <td colspan="6">Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492 (e)).</td> </tr> <tr> <td colspan="6"> <table border="1"> <tr> <th>CLAIMS</th> <th>NUMBER FILED</th> <th>NUMBER EXTRA</th> <th>RATE</th> <td colspan="2"></td> </tr> <tr> <td>Total claims</td> <td>61 - 20 =</td> <td>41</td> <td>x 50.00</td> <td colspan="2">\$ 2,050.00</td> </tr> <tr> <td>Independent claims</td> <td>10 - 3 =</td> <td>7</td> <td>x 200.00</td> <td colspan="2">\$ 1,400.00</td> </tr> <tr> <td colspan="4">MULTIPLE DEPENDENT CLAIM(s) (if applicable)</td> <td colspan="2">+</td> </tr> <tr> <td colspan="4">TOTAL OF ABOVE CALCULATIONS =</td> <td colspan="2">\$ 4,700.00</td> </tr> <tr> <td colspan="6"> <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½. </td> </tr> <tr> <td colspan="6"> SUBTOTAL = \$ 2,350.00 </td> </tr> <tr> <td colspan="6">Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492 (f)).</td> </tr> <tr> <td colspan="6"> TOTAL NATIONAL FEE = \$ 2,350.00 </td> </tr> <tr> <td colspan="6">Fee for recording the enclosed assignment (37 CFR 1.21 (h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property</td> </tr> <tr> <td colspan="6"> TOTAL FEES ENCLOSED = \$ 2,350.00 </td> </tr> <tr> <td colspan="6"> <table border="1"> <tr> <td>Amount to be refunded:</td> <td>\$</td> </tr> <tr> <td>Amount to be charged:</td> <td>\$</td> </tr> </table> </td> </tr> <tr> <td colspan="6"> a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed. </td> </tr> <tr> <td colspan="6"> b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. <u>04-1105</u> in the amount of \$ <u>2,350.00</u> to cover the above fees. A duplicate copy of this sheet is enclosed. </td> </tr> <tr> <td colspan="6"> c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>04-1105</u>. A duplicate copy of this sheet is enclosed. </td> </tr> <tr> <td colspan="6"> d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. </td> </tr> <tr> <td colspan="6">NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the International Application to pending status.</td> </tr> <tr> <td colspan="6">SEND ALL CORRESPONDENCE TO:</td> </tr> <tr> <td colspan="6"> Amy Leahy EDWARDS & ANGELL, LLP P.O. Box 55874 Boston, MA 02205 (203) 975-7505 </td> </tr> <tr> <td colspan="6"> SIGNATURE: <u>Amy Leahy</u> NAME: <u>Amy M. Leahy</u> </td> </tr> <tr> <td colspan="6"> CUSTOMER NUMBER: 21874 REGISTRATION NUMBER: <u>47,739</u> </td> </tr> </table> </td></tr></table></td></tr></table>						21. <input checked="" type="checkbox"/> Basic national fee		\$300	CALCULATIONS	PTO USE ONLY		22. <input checked="" type="checkbox"/> Examination fee If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4).....		\$100				All other situations		\$200				<table border="1"> <tr> <td colspan="2">23. <input checked="" type="checkbox"/> Search fee Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority</td> <td>\$100</td> <td></td> <td colspan="2"></td> </tr> <tr> <td colspan="2">International Search Report prepared and provided to the Office.....</td> <td>\$400</td> <td></td> <td colspan="2"></td> </tr> <tr> <td colspan="2">All other situations</td> <td>\$500</td> <td></td> <td colspan="2"></td> </tr> <tr> <td colspan="2">TOTAL OF 21, 22 and 23 =</td> <td>\$ 1,000.00</td> <td></td> <td colspan="2"></td> </tr> <tr> <td colspan="6"> <input checked="" type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. </td> </tr> <tr> <td>Total Sheets</td> <td>Extra sheets</td> <td>Number of each additional 50 or fraction thereof (round up to a whole number)</td> <td>RATE</td> <td colspan="2"></td> </tr> <tr> <td>140 - 100 =</td> <td>40 /50 =</td> <td>1</td> <td>x \$250.00</td> <td colspan="2">250.00</td> </tr> <tr> <td colspan="6">Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492 (e)).</td> </tr> <tr> <td colspan="6"> <table border="1"> <tr> <th>CLAIMS</th> <th>NUMBER FILED</th> <th>NUMBER EXTRA</th> <th>RATE</th> <td colspan="2"></td> </tr> <tr> <td>Total claims</td> <td>61 - 20 =</td> <td>41</td> <td>x 50.00</td> <td colspan="2">\$ 2,050.00</td> </tr> <tr> <td>Independent claims</td> <td>10 - 3 =</td> <td>7</td> <td>x 200.00</td> <td colspan="2">\$ 1,400.00</td> </tr> <tr> <td colspan="4">MULTIPLE DEPENDENT CLAIM(s) (if applicable)</td> <td colspan="2">+</td> </tr> <tr> <td colspan="4">TOTAL OF ABOVE CALCULATIONS =</td> <td colspan="2">\$ 4,700.00</td> </tr> <tr> <td colspan="6"> <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½. </td> </tr> <tr> <td colspan="6"> SUBTOTAL = \$ 2,350.00 </td> </tr> <tr> <td colspan="6">Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492 (f)).</td> </tr> <tr> <td colspan="6"> TOTAL NATIONAL FEE = \$ 2,350.00 </td> </tr> <tr> <td colspan="6">Fee for recording the enclosed assignment (37 CFR 1.21 (h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property</td> </tr> <tr> <td colspan="6"> TOTAL FEES ENCLOSED = \$ 2,350.00 </td> </tr> <tr> <td colspan="6"> <table border="1"> <tr> <td>Amount to be refunded:</td> <td>\$</td> </tr> <tr> <td>Amount to be charged:</td> <td>\$</td> </tr> </table> </td> </tr> <tr> <td colspan="6"> a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed. </td> </tr> <tr> <td colspan="6"> b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. <u>04-1105</u> in the amount of \$ <u>2,350.00</u> to cover the above fees. A duplicate copy of this sheet is enclosed. </td> </tr> <tr> <td colspan="6"> c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>04-1105</u>. A duplicate copy of this sheet is enclosed. </td> </tr> <tr> <td colspan="6"> d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. </td> </tr> <tr> <td colspan="6">NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the International Application to pending status.</td> </tr> <tr> <td colspan="6">SEND ALL CORRESPONDENCE TO:</td> </tr> <tr> <td colspan="6"> Amy Leahy EDWARDS & ANGELL, LLP P.O. Box 55874 Boston, MA 02205 (203) 975-7505 </td> </tr> <tr> <td colspan="6"> SIGNATURE: <u>Amy Leahy</u> NAME: <u>Amy M. Leahy</u> </td> </tr> <tr> <td colspan="6"> CUSTOMER NUMBER: 21874 REGISTRATION NUMBER: <u>47,739</u> </td> </tr> </table> </td></tr></table>						23. <input checked="" type="checkbox"/> Search fee Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority		\$100				International Search Report prepared and provided to the Office.....		\$400				All other situations		\$500				TOTAL OF 21, 22 and 23 =		\$ 1,000.00				<input checked="" type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.						Total Sheets	Extra sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE			140 - 100 =	40 /50 =	1	x \$250.00	250.00		Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492 (e)).						<table border="1"> <tr> <th>CLAIMS</th> <th>NUMBER FILED</th> <th>NUMBER EXTRA</th> <th>RATE</th> <td colspan="2"></td> </tr> <tr> <td>Total claims</td> <td>61 - 20 =</td> <td>41</td> <td>x 50.00</td> <td colspan="2">\$ 2,050.00</td> </tr> <tr> <td>Independent claims</td> <td>10 - 3 =</td> <td>7</td> <td>x 200.00</td> <td colspan="2">\$ 1,400.00</td> </tr> <tr> <td colspan="4">MULTIPLE DEPENDENT CLAIM(s) (if applicable)</td> <td colspan="2">+</td> </tr> <tr> <td colspan="4">TOTAL OF ABOVE CALCULATIONS =</td> <td colspan="2">\$ 4,700.00</td> </tr> <tr> <td colspan="6"> <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½. </td> </tr> <tr> <td colspan="6"> SUBTOTAL = \$ 2,350.00 </td> </tr> <tr> <td colspan="6">Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492 (f)).</td> </tr> <tr> <td colspan="6"> TOTAL NATIONAL FEE = \$ 2,350.00 </td> </tr> <tr> <td colspan="6">Fee for recording the enclosed assignment (37 CFR 1.21 (h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property</td> </tr> <tr> <td colspan="6"> TOTAL FEES ENCLOSED = \$ 2,350.00 </td> </tr> <tr> <td colspan="6"> <table border="1"> <tr> <td>Amount to be refunded:</td> <td>\$</td> </tr> <tr> <td>Amount to be charged:</td> <td>\$</td> </tr> </table> </td> </tr> <tr> <td colspan="6"> a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed. </td> </tr> <tr> <td colspan="6"> b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. <u>04-1105</u> in the amount of \$ <u>2,350.00</u> to cover the above fees. A duplicate copy of this sheet is enclosed. </td> </tr> <tr> <td colspan="6"> c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>04-1105</u>. A duplicate copy of this sheet is enclosed. </td> </tr> <tr> <td colspan="6"> d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. </td> </tr> <tr> <td colspan="6">NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the International Application to pending status.</td> </tr> <tr> <td colspan="6">SEND ALL CORRESPONDENCE TO:</td> </tr> <tr> <td colspan="6"> Amy Leahy EDWARDS & ANGELL, LLP P.O. Box 55874 Boston, MA 02205 (203) 975-7505 </td> </tr> <tr> <td colspan="6"> SIGNATURE: <u>Amy Leahy</u> NAME: <u>Amy M. Leahy</u> </td> </tr> <tr> <td colspan="6"> CUSTOMER NUMBER: 21874 REGISTRATION NUMBER: <u>47,739</u> </td> </tr> </table>						CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE			Total claims	61 - 20 =	41	x 50.00	\$ 2,050.00		Independent claims	10 - 3 =	7	x 200.00	\$ 1,400.00		MULTIPLE DEPENDENT CLAIM(s) (if applicable)				+		TOTAL OF ABOVE CALCULATIONS =				\$ 4,700.00		<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½.						SUBTOTAL = \$ 2,350.00						Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492 (f)).						TOTAL NATIONAL FEE = \$ 2,350.00						Fee for recording the enclosed assignment (37 CFR 1.21 (h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property						TOTAL FEES ENCLOSED = \$ 2,350.00						<table border="1"> <tr> <td>Amount to be refunded:</td> <td>\$</td> </tr> <tr> <td>Amount to be charged:</td> <td>\$</td> </tr> </table>						Amount to be refunded:	\$	Amount to be charged:	\$	a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed.						b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. <u>04-1105</u> in the amount of \$ <u>2,350.00</u> to cover the above fees. A duplicate copy of this sheet is enclosed.						c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>04-1105</u> . A duplicate copy of this sheet is enclosed.						d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.						NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the International Application to pending status.						SEND ALL CORRESPONDENCE TO:						Amy Leahy EDWARDS & ANGELL, LLP P.O. Box 55874 Boston, MA 02205 (203) 975-7505						SIGNATURE: <u>Amy Leahy</u> NAME: <u>Amy M. Leahy</u>						CUSTOMER NUMBER: 21874 REGISTRATION NUMBER: <u>47,739</u>					
21. <input checked="" type="checkbox"/> Basic national fee		\$300	CALCULATIONS	PTO USE ONLY																																																																																																																																																																																																																	
22. <input checked="" type="checkbox"/> Examination fee If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4).....		\$100																																																																																																																																																																																																																			
All other situations		\$200																																																																																																																																																																																																																			
<table border="1"> <tr> <td colspan="2">23. <input checked="" type="checkbox"/> Search fee Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority</td> <td>\$100</td> <td></td> <td colspan="2"></td> </tr> <tr> <td colspan="2">International Search Report prepared and provided to the Office.....</td> <td>\$400</td> <td></td> <td colspan="2"></td> </tr> <tr> <td colspan="2">All other situations</td> <td>\$500</td> <td></td> <td colspan="2"></td> </tr> <tr> <td colspan="2">TOTAL OF 21, 22 and 23 =</td> <td>\$ 1,000.00</td> <td></td> <td colspan="2"></td> </tr> <tr> <td colspan="6"> <input checked="" type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. </td> </tr> <tr> <td>Total Sheets</td> <td>Extra sheets</td> <td>Number of each additional 50 or fraction thereof (round up to a whole number)</td> <td>RATE</td> <td colspan="2"></td> </tr> <tr> <td>140 - 100 =</td> <td>40 /50 =</td> <td>1</td> <td>x \$250.00</td> <td colspan="2">250.00</td> </tr> <tr> <td colspan="6">Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492 (e)).</td> </tr> <tr> <td colspan="6"> <table border="1"> <tr> <th>CLAIMS</th> <th>NUMBER FILED</th> <th>NUMBER EXTRA</th> <th>RATE</th> <td colspan="2"></td> </tr> <tr> <td>Total claims</td> <td>61 - 20 =</td> <td>41</td> <td>x 50.00</td> <td colspan="2">\$ 2,050.00</td> </tr> <tr> <td>Independent claims</td> <td>10 - 3 =</td> <td>7</td> <td>x 200.00</td> <td colspan="2">\$ 1,400.00</td> </tr> <tr> <td colspan="4">MULTIPLE DEPENDENT CLAIM(s) (if applicable)</td> <td colspan="2">+</td> </tr> <tr> <td colspan="4">TOTAL OF ABOVE CALCULATIONS =</td> <td colspan="2">\$ 4,700.00</td> </tr> <tr> <td colspan="6"> <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½. </td> </tr> <tr> <td colspan="6"> SUBTOTAL = \$ 2,350.00 </td> </tr> <tr> <td colspan="6">Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492 (f)).</td> </tr> <tr> <td colspan="6"> TOTAL NATIONAL FEE = \$ 2,350.00 </td> </tr> <tr> <td colspan="6">Fee for recording the enclosed assignment (37 CFR 1.21 (h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property</td> </tr> <tr> <td colspan="6"> TOTAL FEES ENCLOSED = \$ 2,350.00 </td> </tr> <tr> <td colspan="6"> <table border="1"> <tr> <td>Amount to be refunded:</td> <td>\$</td> </tr> <tr> <td>Amount to be charged:</td> <td>\$</td> </tr> </table> </td> </tr> <tr> <td colspan="6"> a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed. </td> </tr> <tr> <td colspan="6"> b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. <u>04-1105</u> in the amount of \$ <u>2,350.00</u> to cover the above fees. A duplicate copy of this sheet is enclosed. </td> </tr> <tr> <td colspan="6"> c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>04-1105</u>. A duplicate copy of this sheet is enclosed. </td> </tr> <tr> <td colspan="6"> d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. </td> </tr> <tr> <td colspan="6">NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the International Application to pending status.</td> </tr> <tr> <td colspan="6">SEND ALL CORRESPONDENCE TO:</td> </tr> <tr> <td colspan="6"> Amy Leahy EDWARDS & ANGELL, LLP P.O. Box 55874 Boston, MA 02205 (203) 975-7505 </td> </tr> <tr> <td colspan="6"> SIGNATURE: <u>Amy Leahy</u> NAME: <u>Amy M. Leahy</u> </td> </tr> <tr> <td colspan="6"> CUSTOMER NUMBER: 21874 REGISTRATION NUMBER: <u>47,739</u> </td> </tr> </table> </td></tr></table>						23. <input checked="" type="checkbox"/> Search fee Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority		\$100				International Search Report prepared and provided to the Office.....		\$400				All other situations		\$500				TOTAL OF 21, 22 and 23 =		\$ 1,000.00				<input checked="" type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.						Total Sheets	Extra sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE			140 - 100 =	40 /50 =	1	x \$250.00	250.00		Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492 (e)).						<table border="1"> <tr> <th>CLAIMS</th> <th>NUMBER FILED</th> <th>NUMBER EXTRA</th> <th>RATE</th> <td colspan="2"></td> </tr> <tr> <td>Total claims</td> <td>61 - 20 =</td> <td>41</td> <td>x 50.00</td> <td colspan="2">\$ 2,050.00</td> </tr> <tr> <td>Independent claims</td> <td>10 - 3 =</td> <td>7</td> <td>x 200.00</td> <td colspan="2">\$ 1,400.00</td> </tr> <tr> <td colspan="4">MULTIPLE DEPENDENT CLAIM(s) (if applicable)</td> <td colspan="2">+</td> </tr> <tr> <td colspan="4">TOTAL OF ABOVE CALCULATIONS =</td> <td colspan="2">\$ 4,700.00</td> </tr> <tr> <td colspan="6"> <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½. </td> </tr> <tr> <td colspan="6"> SUBTOTAL = \$ 2,350.00 </td> </tr> <tr> <td colspan="6">Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492 (f)).</td> </tr> <tr> <td colspan="6"> TOTAL NATIONAL FEE = \$ 2,350.00 </td> </tr> <tr> <td colspan="6">Fee for recording the enclosed assignment (37 CFR 1.21 (h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property</td> </tr> <tr> <td colspan="6"> TOTAL FEES ENCLOSED = \$ 2,350.00 </td> </tr> <tr> <td colspan="6"> <table border="1"> <tr> <td>Amount to be refunded:</td> <td>\$</td> </tr> <tr> <td>Amount to be charged:</td> <td>\$</td> </tr> </table> </td> </tr> <tr> <td colspan="6"> a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed. </td> </tr> <tr> <td colspan="6"> b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. <u>04-1105</u> in the amount of \$ <u>2,350.00</u> to cover the above fees. A duplicate copy of this sheet is enclosed. </td> </tr> <tr> <td colspan="6"> c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>04-1105</u>. A duplicate copy of this sheet is enclosed. </td> </tr> <tr> <td colspan="6"> d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. </td> </tr> <tr> <td colspan="6">NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the International Application to pending status.</td> </tr> <tr> <td colspan="6">SEND ALL CORRESPONDENCE TO:</td> </tr> <tr> <td colspan="6"> Amy Leahy EDWARDS & ANGELL, LLP P.O. Box 55874 Boston, MA 02205 (203) 975-7505 </td> </tr> <tr> <td colspan="6"> SIGNATURE: <u>Amy Leahy</u> NAME: <u>Amy M. Leahy</u> </td> </tr> <tr> <td colspan="6"> CUSTOMER NUMBER: 21874 REGISTRATION NUMBER: <u>47,739</u> </td> </tr> </table>						CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE			Total claims	61 - 20 =	41	x 50.00	\$ 2,050.00		Independent claims	10 - 3 =	7	x 200.00	\$ 1,400.00		MULTIPLE DEPENDENT CLAIM(s) (if applicable)				+		TOTAL OF ABOVE CALCULATIONS =				\$ 4,700.00		<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½.						SUBTOTAL = \$ 2,350.00						Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492 (f)).						TOTAL NATIONAL FEE = \$ 2,350.00						Fee for recording the enclosed assignment (37 CFR 1.21 (h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property						TOTAL FEES ENCLOSED = \$ 2,350.00						<table border="1"> <tr> <td>Amount to be refunded:</td> <td>\$</td> </tr> <tr> <td>Amount to be charged:</td> <td>\$</td> </tr> </table>						Amount to be refunded:	\$	Amount to be charged:	\$	a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed.						b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. <u>04-1105</u> in the amount of \$ <u>2,350.00</u> to cover the above fees. A duplicate copy of this sheet is enclosed.						c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>04-1105</u> . A duplicate copy of this sheet is enclosed.						d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.						NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the International Application to pending status.						SEND ALL CORRESPONDENCE TO:						Amy Leahy EDWARDS & ANGELL, LLP P.O. Box 55874 Boston, MA 02205 (203) 975-7505						SIGNATURE: <u>Amy Leahy</u> NAME: <u>Amy M. Leahy</u>						CUSTOMER NUMBER: 21874 REGISTRATION NUMBER: <u>47,739</u>																													
23. <input checked="" type="checkbox"/> Search fee Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority		\$100																																																																																																																																																																																																																			
International Search Report prepared and provided to the Office.....		\$400																																																																																																																																																																																																																			
All other situations		\$500																																																																																																																																																																																																																			
TOTAL OF 21, 22 and 23 =		\$ 1,000.00																																																																																																																																																																																																																			
<input checked="" type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.																																																																																																																																																																																																																					
Total Sheets	Extra sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE																																																																																																																																																																																																																		
140 - 100 =	40 /50 =	1	x \$250.00	250.00																																																																																																																																																																																																																	
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492 (e)).																																																																																																																																																																																																																					
<table border="1"> <tr> <th>CLAIMS</th> <th>NUMBER FILED</th> <th>NUMBER EXTRA</th> <th>RATE</th> <td colspan="2"></td> </tr> <tr> <td>Total claims</td> <td>61 - 20 =</td> <td>41</td> <td>x 50.00</td> <td colspan="2">\$ 2,050.00</td> </tr> <tr> <td>Independent claims</td> <td>10 - 3 =</td> <td>7</td> <td>x 200.00</td> <td colspan="2">\$ 1,400.00</td> </tr> <tr> <td colspan="4">MULTIPLE DEPENDENT CLAIM(s) (if applicable)</td> <td colspan="2">+</td> </tr> <tr> <td colspan="4">TOTAL OF ABOVE CALCULATIONS =</td> <td colspan="2">\$ 4,700.00</td> </tr> <tr> <td colspan="6"> <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½. </td> </tr> <tr> <td colspan="6"> SUBTOTAL = \$ 2,350.00 </td> </tr> <tr> <td colspan="6">Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492 (f)).</td> </tr> <tr> <td colspan="6"> TOTAL NATIONAL FEE = \$ 2,350.00 </td> </tr> <tr> <td colspan="6">Fee for recording the enclosed assignment (37 CFR 1.21 (h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property</td> </tr> <tr> <td colspan="6"> TOTAL FEES ENCLOSED = \$ 2,350.00 </td> </tr> <tr> <td colspan="6"> <table border="1"> <tr> <td>Amount to be refunded:</td> <td>\$</td> </tr> <tr> <td>Amount to be charged:</td> <td>\$</td> </tr> </table> </td> </tr> <tr> <td colspan="6"> a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed. </td> </tr> <tr> <td colspan="6"> b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. <u>04-1105</u> in the amount of \$ <u>2,350.00</u> to cover the above fees. A duplicate copy of this sheet is enclosed. </td> </tr> <tr> <td colspan="6"> c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>04-1105</u>. A duplicate copy of this sheet is enclosed. </td> </tr> <tr> <td colspan="6"> d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. </td> </tr> <tr> <td colspan="6">NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the International Application to pending status.</td> </tr> <tr> <td colspan="6">SEND ALL CORRESPONDENCE TO:</td> </tr> <tr> <td colspan="6"> Amy Leahy EDWARDS & ANGELL, LLP P.O. Box 55874 Boston, MA 02205 (203) 975-7505 </td> </tr> <tr> <td colspan="6"> SIGNATURE: <u>Amy Leahy</u> NAME: <u>Amy M. Leahy</u> </td> </tr> <tr> <td colspan="6"> CUSTOMER NUMBER: 21874 REGISTRATION NUMBER: <u>47,739</u> </td> </tr> </table>						CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE			Total claims	61 - 20 =	41	x 50.00	\$ 2,050.00		Independent claims	10 - 3 =	7	x 200.00	\$ 1,400.00		MULTIPLE DEPENDENT CLAIM(s) (if applicable)				+		TOTAL OF ABOVE CALCULATIONS =				\$ 4,700.00		<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½.						SUBTOTAL = \$ 2,350.00						Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492 (f)).						TOTAL NATIONAL FEE = \$ 2,350.00						Fee for recording the enclosed assignment (37 CFR 1.21 (h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property						TOTAL FEES ENCLOSED = \$ 2,350.00						<table border="1"> <tr> <td>Amount to be refunded:</td> <td>\$</td> </tr> <tr> <td>Amount to be charged:</td> <td>\$</td> </tr> </table>						Amount to be refunded:	\$	Amount to be charged:	\$	a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed.						b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. <u>04-1105</u> in the amount of \$ <u>2,350.00</u> to cover the above fees. A duplicate copy of this sheet is enclosed.						c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>04-1105</u> . A duplicate copy of this sheet is enclosed.						d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.						NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the International Application to pending status.						SEND ALL CORRESPONDENCE TO:						Amy Leahy EDWARDS & ANGELL, LLP P.O. Box 55874 Boston, MA 02205 (203) 975-7505						SIGNATURE: <u>Amy Leahy</u> NAME: <u>Amy M. Leahy</u>						CUSTOMER NUMBER: 21874 REGISTRATION NUMBER: <u>47,739</u>																																																																																			
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE																																																																																																																																																																																																																		
Total claims	61 - 20 =	41	x 50.00	\$ 2,050.00																																																																																																																																																																																																																	
Independent claims	10 - 3 =	7	x 200.00	\$ 1,400.00																																																																																																																																																																																																																	
MULTIPLE DEPENDENT CLAIM(s) (if applicable)				+																																																																																																																																																																																																																	
TOTAL OF ABOVE CALCULATIONS =				\$ 4,700.00																																																																																																																																																																																																																	
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½.																																																																																																																																																																																																																					
SUBTOTAL = \$ 2,350.00																																																																																																																																																																																																																					
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492 (f)).																																																																																																																																																																																																																					
TOTAL NATIONAL FEE = \$ 2,350.00																																																																																																																																																																																																																					
Fee for recording the enclosed assignment (37 CFR 1.21 (h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property																																																																																																																																																																																																																					
TOTAL FEES ENCLOSED = \$ 2,350.00																																																																																																																																																																																																																					
<table border="1"> <tr> <td>Amount to be refunded:</td> <td>\$</td> </tr> <tr> <td>Amount to be charged:</td> <td>\$</td> </tr> </table>						Amount to be refunded:	\$	Amount to be charged:	\$																																																																																																																																																																																																												
Amount to be refunded:	\$																																																																																																																																																																																																																				
Amount to be charged:	\$																																																																																																																																																																																																																				
a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed.																																																																																																																																																																																																																					
b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. <u>04-1105</u> in the amount of \$ <u>2,350.00</u> to cover the above fees. A duplicate copy of this sheet is enclosed.																																																																																																																																																																																																																					
c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>04-1105</u> . A duplicate copy of this sheet is enclosed.																																																																																																																																																																																																																					
d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.																																																																																																																																																																																																																					
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the International Application to pending status.																																																																																																																																																																																																																					
SEND ALL CORRESPONDENCE TO:																																																																																																																																																																																																																					
Amy Leahy EDWARDS & ANGELL, LLP P.O. Box 55874 Boston, MA 02205 (203) 975-7505																																																																																																																																																																																																																					
SIGNATURE: <u>Amy Leahy</u> NAME: <u>Amy M. Leahy</u>																																																																																																																																																																																																																					
CUSTOMER NUMBER: 21874 REGISTRATION NUMBER: <u>47,739</u>																																																																																																																																																																																																																					

10/532031

JC20 Rec'd PCT/PTO 21 APR 2005

Application No. (if known): Not Yet Assigned

Attorney Docket No.: 62046(51588)

Certificate of Express Mailing Under 37 CFR 1.10

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail, Airbill No. EV351417235US in an envelope addressed to:

MS PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

on April 21, 2005
Date

Denise Kacinski
Signature

Denise Kacinski
Typed or printed name of person signing Certificate

Registration Number, if applicable

(203) 975-7505
Telephone Number

Note: Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.

Transmittal Letter to the United States Designated-Elected Office (2 pages)
Copy of the International application
Oath or declaration of the inventor(s)
Preliminary Amendment
Charge \$2,350.00 to deposit account 04-1105